

Trimethylated Lysine Antibody

Subcategory: Modification Specific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 251123

Unit: 0.1 mg

Description:

Trimethyllysine is a methylated form of lysine found in histones that contributes to gene regulation. In the biosynthetic pathway of l-carnitine, epsilon-N-trimethyllysine hydroxylase is the first enzyme that catalyzes the formation of beta-hydroxy-N-epsilon-trimethyllysine from epsilon-N-trimethyllysine. This reaction is dependent on alpha-ketoglutarate, Fe²⁺, and oxygen. The antibody can be used for detection, quantitation, and isolation of proteins with N-trimethylated lysine residues.

Isotype: Rabbit Ig

Applications: E, IF, IHC, IP, WB

Species Reactivity: B, H, M, P, R

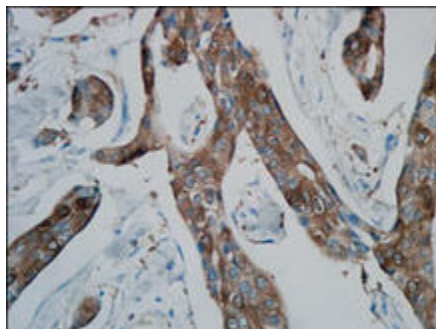
Format: Each vial contains 0.1 mg IgG in 0.4 ml (0.25 mg/ml) of PBS pH7.4, 50% glycerol. Antibody was purified by immunogen-affinity chromatography on a N-(epsilon) trimethyllysine agarose column and then adsorbed on N-(epsilon) monomethyllysine and N-(epsilon) dimethyllysine agarose beads.

Alternate Names: Pan N-(epsilon) tri-methyllysine; Tri-MeK; Trimethylated lysine; Tri-MeK; Trimethyllysine; 3-MeLys; Trimethyl-lysine; Methylated lysine, trimethyl; Methylated lysine (trimethyl); Pan N-(epsilon) trimethyllysine

Antigen: Trimethylated lysine KLH conjugates

Application Notes: Cat. No. 251123 binds to proteins with trimethylation on lysine residues (N-epsilon) whereas it does not react with acetylated or mono- and dimethylated proteins.

E: 1:1,000-1:2,000; WB: 1:1,000-1:2,000; IHC: 1:100-1:500; IF: 1:100-1:500; IP: 5 ug/sample



Trimethylated lysine staining in human tissue. Paraffin-embedded human tissue is stained with Trimethylated Lysine Antibody (Cat. No. 251123) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.